

Little Chute Locks and Dam, Storage Building at Lock 2
On the southern embankment, midway between
the upper and lower gates
Little Chute
Outagamie County
Wisconsin

HAER No. WI-88-D

HAER
WIS
44-LITCH,
2D-

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

HISTORIC AMERICAN ENGINEERING RECORD
Rocky Mountain System Support Office
National Park Service
P.O. Box 25287
Denver, Colorado 80225-0287

HISTORIC AMERICAN ENGINEERING RECORD

LITTLE CHUTE LOCKS AND DAM, STORAGE BUILDING AT LOCK 2

HAER
WIS
44-LITCH,
2D-

HAER NO. WI-88-D

Location: The Storage Building at Little Chute Lock 2 is situated on the south side of the lock equidistant between the upstream and downstream ends of the lock chamber in the SE1/4, Section 21, T21N, R18E, Civil Town of Vandenbroek, Outagamie County, Wisconsin.

UTM: 16/395180/493130; USGS Quadrangle: Kaukauna, Wisconsin 7.5' series

Date of Construction: 1981

Engineer: United States Army Corps of Engineers with Contractors

Architect: United States Army Corps of Engineers with Contractors

Present Owner: United States Army Corps of Engineers

Present Use: Storage of paint and petroleum products.

Significance: The storage building functions as part of the daily operation of the Little Chute Locks and Dam Complex.

Project Information: This documentation was undertaken in 1995 in accordance with requirements detailed in a June 19, 1994 letter from Gregory D. Kendrick, Chief, History Branch, NPS to Dale Monteith, Acting Chief, Planning Division, USACOE, Detroit District. The Lower Fox system remains basically operational but was placed in caretaker status by the USACOE in 1982. The USACOE plans to divest itself of the Lower Fox system as soon as is feasible; therefore, NPS requested this documentation. All documentation conforms to HAER standards.

Dr. John D. Richards, Principal Investigator; Georgia A. Lusk, Patricia B. Richards, and Robert J. Watson, Project Archivists with Great Lakes Archaeological Research Center, Inc.; Joseph Paskus, Project Photographer.

STORAGE BUILDING

A 5 foot 4 inch by 5 foot 4 inch metal storage shed is located on the south side of Lock 2 near the middle of the lock chamber. Constructed during the 1980s, the storage shed is a pre-fabricated steel structure manufactured by Armco Building Systems of Cincinnati, Ohio. The modular steelox wall panels, which are bolted onto a poured concrete slab foundation, support a flat steel panel roof.¹ An entrance door is fitted to the lockward side of the storage shed, and a single, louvered vent is centered on the opposite side. The building contains no windows.²

ENDNOTES

- 1 Armco Steel Buildings, Erection Instructions TL-1 Building, sheets ET-115, ET-116, ET-118, ET-119.
- 2 Ibid., sheets EW-109, E-159.

CORNER ERECTION

Starting at a corner, assemble a corner panel and typical panel by bolting the interlocking rib to the base channel with bolt 5122 and nut 5123. Plumb the corner and wrench tighten nut and bolt. Mark floor and window locations so that short panels can be installed.

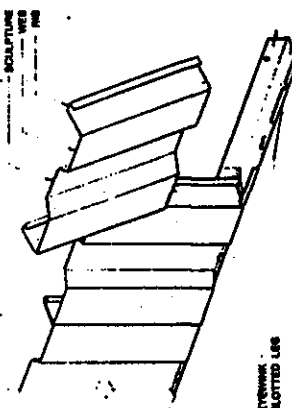
Typical Steelox panel	8-0	10-0	26-5
	54-90		54-92

CORNER PANEL	8'-0"	10'-0"
54806	54806	54803



PANELS OVER SLUING DOORS	ALL	8"	10'
	SIZES	54498	54504

BASE CHANNEL

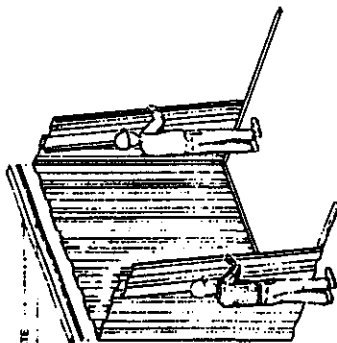


1997

WALL ERECTION

[illegible]

WINDOW WALL PLATE
WALL CAP



ROOF ERECTION

* If ceiling is to be installed, it must be erected at the same time as is the roof...see std. ceiling detail.

Check building walls for plumb and square. Apply a continuous strip of tape sealant on top of plates. Set the first roof panel with the female rib 8" outside of endwall and with 8" of overhang on each sidewall. Field drill roof panel to match holes in plate and bolt with 1/4 x 3/4" bolts with weather seal washer.

Continue setting roof panels bolting only to the rear plate and keeping ends of panels even. Move rear wall and not the roof panels to maintain the 8" overhang. Again check the walls for plumb and square.

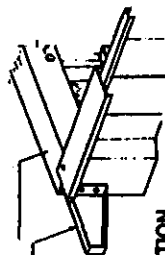
Field Drills and bolt the roof panels to the front plate and endwall plates. Place fascia over metal rib of the last roof panel. * (Note: If ceiling is to be installed, do not erect last roof panel at this time. See ceiling details.) If alternate nutter-fascia is used, see E-121. Attach edge flashing 60635 around building with #10 x 7/8" 16" O.C. Field cut ends at corners for closing tabs.

WALL CAP AND PLATE SCHEDULE				
BLDG. WIDTH	5'-4"	5'-8"	8'-0"	12'-0"
ENDWALL CAP	500394	500395	500394	500396
NEAR OR ENDWALL PLATE	600310	600311	600312	600313
FRONT PLATE	600331	600332	600333	600334

WALL CAP & PLATE ERECTION

Place wall cap and plate on end panel. Flange and square cap must be flush with wall. Do not wrench against plate bolts. Erect wall with one wall from outside the building and the other wall from inside the building. Install adjacent wall caps in same manner. Erect second wall panels and rear plate. Top of front plate must be flush with top of rear plate. Erect rear wall plates. Position rear wall plates flush with front and rear plates, then cap. Position top of plates flush with top of front plate.

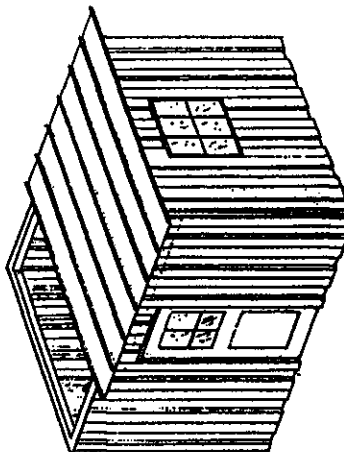
Seal door and window instructions for installation. For 6'-4" long building field cap adjacent plate and wall cap.



ENDWALL PLATE -

BRACKET ERECTION

Attach end wall brackets (B0314 or B0315) flush with top of sidewall
brackets using two $\frac{1}{2}$ " x $\frac{1}{4}$ " TH-35 at each corner. Field drill using
1/8" drill.



ROOF PANELS					
	BLDG. WIDTH	5'-4"	6'-8"	8'-0"	12'-0"
A LOAD		58978	54648	54649	59065
B LOAD		58978	54648	54649	59067
D LOAD		58978	54648	54649	66581
G LOAD		58978	54648	54649	59067
H LOAD		58978	54648	54649	59067

**ROOF AND WALL ERECTION
TL-1 BUILDING**

RECORDED
28 AUGUST 1967
EX-119